

Michael O. Leavitt Governor Dianne R. Nielson, Ph.D. Executive Director Richard W. Sprott

# State of Utah

# DEPARTMENT OF ENVIRONMENTAL QUALITY DIVISION OF AIR QUALITY

150 North 1950 West P.O. Box 144820 Salt Lake City, Utah 84114-4820 (801) 536-4000 Voice (801) 536-4099 Fax (801) 536-4414 T.D.D. Web: www.deq.state.ut.us

DAQE-955-01

November 16, 2001

Intermountain Power Service Corporation 850 West Brush Wellman Road Delta, Utah 84624

Dear Mr Chapman:

Re: Intent to Approve: Modification to Approval Order For Increased Capacity By Modifying Units

1&2 and Debottlenecking, Millard County, CDS-A1, NSPS, Title V

Project Code: N0327-007

The attached document is the Intent to Approve (ITA) for the above-referenced project. ITAs are subject to public review. Any comments received shall be considered before an Approval Order is issued.

Future correspondence on this Intent to Approve should include the engineer's name as well as the DAQE number as shown on the upper right-hand corner of this letter. Please direct any technical questions you may have on this project to Ms. Milka M. Radulovic. She may be reached at (801) 536-4232.

Sincerely,

Rusty Ruby, Manager

New Source Review Section

RR:MR:jc

cc: Central Utah Public Health Department

Mike Owens, EPA Region VIII

### STATE OF UTAH

## **Department of Environmental Quality**

## **Division of Air Quality**

# INTENT TO APPROVE: MODIFICATION TO APPROVAL ORDER FOR INCREASED CAPACITY BY MODIFYING UNITS 1 & 2 AND DEBOTTLENECKING

Prepared By: Milka M. Radulovic, Engineer Email: mradulov@deq.state.ut.us (801)536-4232

#### INTENT TO APPROVE NUMBER

**DAQE-955-01** 

Date: November 16, 2001

Intermountain Power Service Corporation
Source Contact
Rand Crafts
(435)864-6494

Richard W. Sprott Executive Secretary Utah Air Quality Board

#### Abstract

Intermountain Power Service Corporation (IPSC) operates the Intermountain Generating Station (IGS) coal fired steam-electric plant, consisting of two 875 MW units, located near Delta in Millard County. IPSC is requesting a modification to their current approval order (AO) DAQE-749-01 to uprate (increase) each unit's generating capacity from 875 to 950 MW. The following are the modifications needed at the plant for the proposed-uprate which will affect emissions:

- 1. Increase heat input through the main boilers
- 2. Add patented scrubber wall rings to provide more efficient SO<sub>2</sub> removal
- 3. Add more rows of tubes in the boiler super heating section

There will be other changes which will not directly affect emissions, such as:

- 1. Replacement of two existing high pressure turbines with two current technology and high efficiency turbines
- 2. Replace one existing relief valve with a safety valve on each boiler, add one new helper cooling tower (for each unit) without increasing current total circulating flow rates and cycles of concentration, boiler feed pump performance upgrade, generator and isophase cooling enhancement, and other similar changes
- 3. Substituting emission rate limit of 0.024 grains per dry standard cubic feet for the Group I dust collectors with an alternate limit: monthly monitoring of a differential pressure across the dust collectors.

  4. In addition to the requested changes, existing emissions from the existing cooling towers were added to the plant potential to emit.

Millard County is an attainment area of the National Ambient Air Quality Standards (NAAQS) for all pollutants. New Source Performance Standards (NSPS), Subpart Da and Subpart Y applies to this source. Boiler 1 & 2 are also Group 1, Phase II units under the Acid Rain Program. IPSC is a major source of NO<sub>x</sub> SO<sub>x</sub> CO, and PM<sub>10</sub>. Title V of the 1990 Clean Air Act applies to this source. The Title V permit will be administratively amended after this AO has been issued.

The potential to emit, in tons per year, will change as follows: CO 98.5, VOC (HAPs and non-HAPs) 1.34, non-VOC HAPs 7.00, and other regulated pollutants 2.00.

This modification did not trigger Prevention of Significant Deterioration (PSD) regulation review since the emission increases (based on base line actual emissions and projected future emissions) were below significant levels. However, IPSC will monitor and maintain post change emissions information and submit them to the Utah Division of Air Quality on an annual basis for a period of 5 years to demonstrate that this modification did not result in a significant emissions increase. If the submitted information indicates that emissions have increased as a consequence of the proposed change, at that time IPSC will be required to obtain a PSD permit.

The Notice of Intent (NOI) for the above-referenced project has been evaluated and has been found to be consistent with the requirements of the Utah Administrative Code Rule 307 (UAC R307). Air pollution producing sources and/or their air control facilities may not be constructed, installed, established, or modified prior to the issuance of an Approval Order (AO) by the Executive Secretary of the Utah Air Quality Board.

DAQE-955-01 Page 3

A public comment period will be held in accordance with UAC R307-401-4. A notice of intent to approve will be published in the Millard County Chronicle Progress on November 22, 2001. During the public comment period the proposal and the evaluation of its impact on air quality will be available for both you and the public to review and comment. If anyone so requests a public hearing it will be held in accordance with UAC R307-401-4. The hearing will be held as close as practicable to the location of the source. Any comments received during the public comment period and the hearing will be evaluated.

Please review the proposed AO conditions during this period and make any comments you may have. The proposed conditions of the AO may be changed as a result of the comments received. Unless changed, the AO will be based upon the following conditions:

#### **General Conditions:**

1. This Approval Order (AO) applies to the following company:

Intermountain Power Service Corporation 850 West Brush Wellman Road Delta, Utah 84624

Phone Number:

(435) 864-4414

Fax Number:

(435) 864-4970

The equipment listed below in this AO shall be operated at the following location:

#### **PLANT LOCATION:**

850 West Brush Wellman Road, Delta, Millard County, Utah

Universal Transverse Mercator (UTM) Coordinate System: datum NAD27 4,374.4 kilometers Northing, 364.2 kilometers Easting, Zone 12

- All definitions, terms, abbreviations, and references used in this AO conform to those used in the Utah Administrative Code (UAC) Rule 307 (R307), and Title 40 of the Code of Federal Regulations (40 CFR). Unless noted otherwise, references cited in these AO conditions refer to those rules.
- The limits set forth in this AO shall not be exceeded without prior approval in accordance with R307-401.
- 4. Modifications to the equipment or processes approved by this AO that could affect the emissions covered by this AO must be approved in accordance with R307-401-1.
- 5. All records referenced in this AO or in applicable NSPS, which are required to be kept by the owner/operator, shall be made available to the Executive Secretary or Executive Secretary's representative upon request, and the records shall include the five-year period prior to the date of the request. All records shall be kept for the following minimum periods:

- A. Emission inventories Five years from the due date of each emission statement or until the next inventory is due, whichever is longer.
- B. All other records

Five years

- 6. Intermountain Power Service Corporation (IPSC) shall conduct its operations of the Intermountain Generating Station (IGS) coal fired electric steam plant in accordance with the terms and conditions of this AO, which was written pursuant to IPSC's Notice of Intent submitted to the Division of Air Quality (DAQ) on April 5, 2001, May 31, 2001, August 26, 2001, September 5, 2001, September 19, 2001, October 26, 2001.
- 7. This AO shall replace the AO (DAQE-749-01) dated September 11, 2001.
- 8. The approved units shall consist of the following equipment or equivalent\*:
  - A. Unit #1 Coal Fired Boiler (Subject to NSPS, Subpart Da)
    Rating 9,225 x 10<sup>6</sup> Btu/hr (MMBtu/hr)
  - B. Unit #2 Coal Fired Boiler (Subject to NSPS, Subpart Da)
    Rating 9,225 MMBtu/hr
  - C. Coal railcar unloading dust collector 1A
  - D. Coal railcar unloading dust collector 1B
  - E. Coal railcar unloading dust collector 1C
  - F. Coal railcar unloading dust collector 1D
  - G. Coal truck unloading dust collector 2
  - H. Coal reserve reclaim dust collector 3
  - I. Coal transfer building #1 dust collector 4
  - J. Coal transfer building #2 dust collector 5
  - K. Coal transfer building #4 dust collector 6
  - L. Coal crusher building dust collector 11
  - M. U1 Generation building coal dust collector 13A
  - N. U1 Generation building coal dust collector 13B
  - O. U2 Generation building coal dust collector 14A
  - P. U2 Generation building coal dust collector 14B
  - Q. Coal pile active and reserve
  - R. Coal Stackout
  - S. Fuel oil tank 1A

Capacity -

675,000 gallons

T. Fuel oil tank 1B

Capacity -

675,000 gallons

- U. Limestone unloading dust collector 1A
- V. Limestone unloading dust collector 1B
- W. Limestone transfer dust collector 1
- X. Limestone reclaim dust collector 2
- Y. Limestone silo bin vent filter
- Z. Limestone crusher dust collector 3
- AA. Limestone preparation dust collector 4
- BB. Limestone storage pile

| CC.         | Lime silo dust collector 1   |                                       |  |  |
|-------------|--|---------------------------------------|--|--|
| DD.         | Lime hopper dust collector 2   |                                       |  |  |
| EE.         | Soda ash silo dust collector 3   |                                       |  |  |
| FF.         | Soda ash hopper dust collector 4   |                                       |  |  |
| GG.         | Fly ash silo bin vent filter 1A  |                                       |  |  |
| HH.         | Fly ash silo bin vent filter 1B  | •                                     |  |  |
| П.          | Combustion byproducts stacked  | out & stockpile                       |  |  |
| JJ.         | Combustion byproducts landfill   |                                       |  |  |
| KK.         | Unit 1 cooling tower 1A  |                                       |  |  |
| LL.         | Unit 1 cooling tower 1B  |                                       |  |  |
| MM.         | Unit 2 cooling tower 1A  |                                       |  |  |
| NN.         | Unit 2 cooling tower 1B  |                                       |  |  |
| 00.         | Coal sample preparation building dust collector                              |                                       |  |  |
| PP.         | Sandblast facility dust collector  |                                       |  |  |
| QQ.         | Ul Generation building vacuu   | m cleaning dust collector             |  |  |
| RR.         | U2 Generation building vacuu   | m cleaning dust collector             |  |  |
| SS.         | U1 Fabric filter vacuum cleani   | ing dust collector                    |  |  |
| TT.         | U2 Fabric filter vacuum clean  | ing dust collector                    |  |  |
| UU.         | GSB vacuum cleaning dust co  | llector                               |  |  |
| VV.         | Guzzler truck dust collector   |                                       |  |  |
| WW.         | Emergency diesel generators  |                                       |  |  |
|             | 1A, rated at -   | 4,000 Hp                              |  |  |
|             | 1B, rated at -   | 4,000 Hp                              |  |  |
|             | 1C, rated at -   | 4,000 Hp                              |  |  |
| XX.         | Solvent washers  |                                       |  |  |
| YY.         | Diesel driven fire pump rated  |                                       |  |  |
| ZZ.         | Diesel driven fire pump rated  |                                       |  |  |
| AAA.        | Auxiliary boiler 1A (not subje   |                                       |  |  |
| ~~~         | Rating -   | 166 MMBtu/hr                          |  |  |
| BBB.        | Auxiliary boiler 1B (not subject   |                                       |  |  |
| CCC         | Rating -   | 166 MMBtu/hr                          |  |  |
| CCC.        | Coal Conveyors   |                                       |  |  |
| DDD.        |  | Paint booth/shops                     |  |  |
| EEE.        | EEE. Engine driven equipment including compressors, generators, hydraulic pu |                                       |  |  |
| FFF.        | diesel fire pumps Bulb recycling crusher                                     |                                       |  |  |
| GGG.        | Laboratory fume hoods  |                                       |  |  |
| HHH.        | Gasoline tank  |                                       |  |  |
| ини.        | Capacity -   | 500 gallons                           |  |  |
| m.          | Diesel tank  | 500 garons                            |  |  |
| 111.        | Capacity -   | 10,000 gallons                        |  |  |
| JJJ.        | Diesel day tanks   | 10,000 ganons                         |  |  |
| JJJ.        | Capacity -   | not exceeding 560 gallons per tank    |  |  |
| KKK.        | Mobile oil storage tanks   | not evecentif and Rations her tank    |  |  |
| 171717'     | Capacity -   | not exceeding 12 000 gallons nor tonk |  |  |
| LLL.        | Turbine lube oil units   | not exceeding 12,000 gallons per tank |  |  |
| ، سالماليا. | Capacity -   | not exceeding 40 000 gallons per unit |  |  |
|             | Capacity -   | not exceeding 40,000 gallons per unit |  |  |

MMM. Underground storage diesel tank Capacity -20,000 gallons NNN. Underground storage gasoline tank 6,000 gallons Capacity -OOO. Used oil tank Capacity -10,000 gallons PPP. Class III Industrial Waste Landfill QQQ. Paved haul road RRR. Haul road and access road

SSS. Coal truck unloading grating

TTT. Two Helper cooling towers

#### **Limitations and Tests Procedures**

9. Emissions to the atmosphere at all times from the indicated emission points shall not exceed the following rates and concentrations:

#### A. Each Main Boiler Stack

#### Before the Modification (While Rated at 8,500 x 10<sup>6</sup> Btu/hr)

| Pollutant        | lb/ 106 Btu heat i | <u>nput</u>  |
|------------------|--------------------|--|
| PM <sub>10</sub> |                    | lb/ 10 <sup>6</sup> Btu heat input<br>lb/ 10 <sup>6</sup> Btu heat input based on 30-<br>day rolling-average |
|                  |                    | 10.0 % of the potential combustion concentration   |
| NO <sub>x</sub>  | 0.50**             | lb/ 10 <sup>6</sup> Btu heat input based on 30-day rolling-average   |

#### After the Modification (While Rated at 9,225 x 106 Btu/hr)

| Pollutant        | lb/ 10 <sup>6</sup> Btu heat input   |
|------------------|--|
| PM <sub>10</sub> | 0.0184 * lb/ 106 Btu heat input  |
| SO <sub>2</sub>  | 0.138 ** lb/ 106 Btu heat input based on 30-day                            |
|                  | rolling-average  |
|                  | 10.0 % of the potential combustion   |
|                  | concentration  |
| NO <sub>x</sub>  | 0.461** lb/ 10 <sup>6</sup> Btu heat input based on 30-day rolling-average |

B. Testing Status (To be applied above)

<sup>\*</sup> Equivalency shall be determined by the Executive Secretary.

#### **Dust Collectors**

| Pollutant/Source               | differential pressure range across |
|--------------------------------|------------------------------------|
|                                | the dust collector                 |
|                                | (inches of water gage)             |
| $PM_{10}$                      |                                    |
| Rail car unloading (4 units)   | . 0.5 to 12*                       |
| Transfer building one          | . 0.5 to 12*                       |
| Unit one 13A                   | . 0.5 to 12*                       |
| Transfer building two          | . 0.5 to 12*                       |
| Transfer building four         | . 0.5 to 12*                       |
| Crusher building one           | . 0.5 to 12*                       |
| Unit one 13B                   | . 0.5 to 12*                       |
| Unit two 14A                   | . 0.5 to 12*                       |
| Unit two 14B                   | . 0.5 to 12*                       |
| Limestone preparation building | . 0.5 to 12*                       |

<sup>\*</sup> If differential pressure is less than 2 inches or greater than 10 inches, work orders will be written to investigate. Dust collector may run in the 0.5 to 2 or 10 to 12 range if reason is known. Intermittent recording of the reading is required on a monthly basis. The instrument shall be calibrated against a primary standard annually. Preventive maintenance shall be done quarterly on each baghouse.

#### Each Auxiliary Boiler (Rated at 166 x 106 Btu/hr)

| <u>Pollutant</u> | lb/ 10 <sup>6</sup> Btu heat input | lbs/hr³ |
|------------------|------------------------------------|---------|
|                  | 0.10                               |         |
| -                | 0.35                               |         |

<sup>\*</sup> Testing shall be done in accordance with the requirements from the most current Title V permit.

- 10. Visible emissions from the following emission points shall not exceed the following values:
  - A. All abrasive blasting 40% opacity
  - B. All other points 20% opacity

Opacity observations of emissions from stationary sources shall be conducted according to 40 CFR 60, Appendix A, Method 9.

For sources that are subject to NSPS, opacity shall be determined by conducting

<sup>\*</sup> Test once a year. The Executive Secretary may require testing at any time.

<sup>\*\*</sup>Compliance for NO<sub>x</sub> and SO<sub>2</sub> emissions shall be demonstrated through use of a continuous emissions monitoring system as outlined in Condition 24.

observations in accordance with 40 CFR 60.11(b) and 40 CFR 60, Appendix A, Method 9.

11. The following consumption limit shall not be exceeded:

50,000 barrels of fuel oil consumed per calendar year in the auxiliary boilers.

To determine compliance with this annual limit, the owner/operator shall calculate a total by the January 20th of each year using data from the previous 12 months (ending with December 31). Records of consumption shall be kept for all periods when the auxiliary boilers are in operation. Consumption shall be determined by fuel oil totalizer records. The records of consumption shall be kept on a monthly basis.

12. Annual emissions from the entire plant shall not exceed the following amounts:

CO ..... 1989.60\* tons per rolling12-month period

- \* Emission factors for CO shall be derived from the most recent EPA's Compilation of Air Pollutant Emission Factors (AP-42), industry specific published emission factors (such as Electric Power Research Institute, Edison Electric Institute), fuel analysis, IPSC own testing, and acceptable engineering judgment as appropriate.
- 13. Emergency generators shall be used for electricity producing operation only during the periods when regular electric power supply is interrupted, except for routine engine maintenance and testing. Records documenting generator usage shall be kept in a log and shall show the date the generator was used, the duration in hours of generator usage, and the reason for each usage.
- 14. The diesel driven fire pumps shall be operated on an emergency basis only, except for routine engine and fire system maintenance and testing. Records documenting diesel driven fire pump usage shall be kept in a log and shall show the date the diesel driven fire pump was used, the duration in hours of use, and the reason for each usage.

#### Roads and Fugitive Dust

15. IPSC shall abide by the latest fugitive dust control plan submitted to the Executive Secretary for control of all dust sources associated with the Intermountain Power Generation site.

Any haul road speeds established in the plan shall be posted.

16. The facility shall abide by all applicable requirements of R307-205 for Fugitive Emission and Fugitive Dust sources.

#### **Fuels**

17. The owner/operator shall combust only bituminous and subbituminous coals as primary fuels and shall only use diesel oil or natural gas during the startups, shutdowns, maintenance, performance tests, upsets and for flame stabilization in the 8,500 x 10<sup>6</sup> and 9,225 x 10<sup>6</sup> Btu/hr boilers. Only No. 2 oil shall be used in 166 x 10<sup>6</sup> Btu/hr boilers. The

owner/operator may fuel-blend self-generated used oil with coal at the active coal pile reclaim structure providing that self-generated used oil has not been mixed with hazardous waste.

- 18. The sulfur content of any fuel oil combusted shall not exceed:
  - A. 0.85 lb per x 10<sup>6</sup> Btu heat input for fuel oil used in the main boilers.
  - B. 0.58 percent by weight for fuel oil combusted in the auxiliary boilers.

The sulfur content shall be determined by ASTM Method D-4294-89 or approved equivalent. Certification of fuel oil shall either be by IPSC's own testing or test reports from the fuel oil marketer.

#### Federal Limitations and Requirements

- 19. In addition to the requirements of this AO, all applicable provisions of 40 CFR 60, New Source Performance Standards (NSPS) Subpart A, 40 CFR 60.1 to 60.18 and Subpart Da, 40 CFR 60.40a to 60.49a (Standards of Performance for Electric Utility Steam Generating Units for Which Construction is Commenced After September 18, 1978) and Subpart Y, 40 CFR 60.250 to 60.254 (Standards of Performance for Coal Preparation Plants) apply to this installation.
- 20. In addition to the requirements of this AO, all applicable provisions of 40 CFR Part 72, 73, 75, 76, 77, and 78 Federal regulations for the Acid Rain Program under Clean Air Act Title IV apply to this installation.

#### Records & Miscellaneous

- At all times, including periods of startup, shutdown, and malfunction, owners and operators shall, to the extent practicable, maintain and operate any equipment approved under this AO including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Executive Secretary which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source. All maintenance performed on equipment authorized by this AO shall be recorded, and the records shall be maintained for a period of two years.
- 22. The owner/operator shall comply with R307-150 Series. Inventories, Testing and Monitoring.
- 23. The owner/operator shall comply with R307-107. General Requirements: Unavoidable Breakdowns.

#### Monitoring - Continuous Emissions Monitoring

24. The owner/operator shall install, calibrate, maintain, and continuously operate a continuous emissions monitoring system (CEMs) on the main boilers stacks and SO<sub>2</sub> removal scrubbers inlets. The owner/operator shall record the output of the system, for measuring the opacity, SO<sub>2</sub>, NO<sub>x</sub>, CO<sub>2</sub> emissions. The monitoring system shall comply with all applicable sections of R307-170, UAC; and 40 CFR 60, Appendix B.

All continuous emissions monitoring devices as required in federal regulations and state rules shall be installed and operational prior to placing the affected source in operation.

Except for system breakdown, repairs, calibration checks, and zero and span adjustments required under paragraph (d) 40 CFR 60.13, the owner/operator of an affected source shall continuously operate all required continuous monitoring devices and shall meet minimum frequency of operation requirements as outlined in 40 CFR 60.13 and Section UAC R307-170.

25. In order to demonstrate that modification did not result in significant emissions increases, the rolling 12-month period (that is compiled quarterly) main boilers 1&2 fuel consumption data (MMBtu/hr) and emissions from their stack flues shall be monitored for at least 5 years from the date the units begin fully using the modifications described herein as regular operation. If IPSC fails to comply with the reporting requirements of the WEPCO rule or if the submitted information indicates that emissions have increased as a consequence of the change, it will be required to obtain a PSD permit for these modifications at that time. Records of NO<sub>x</sub> and SO<sub>2</sub> shall be obtained through the use of a CEM. Records of PM<sub>10</sub> shall be based on annual stack tests outlined in the Condition 9. Records for the rest of pollutants shall be based on the EPA's Compilation of Air Pollutant Emission Factors (AP-42), industry specific published emission factors (such as Electric Power Research Institute, Edison Electric Institute or IPSC own testing).

The Executive Secretary shall be notified in writing if the company is sold or changes its name.

This AO in no way releases the owner or operator from any liability for compliance with all other applicable federal, state, and local regulations including R307.

A copy of the rules, regulations and/or attachments addressed in this AO may be obtained by contacting the Division of Air Quality. The Utah Administrative Code R307 rules used by DAQ, the Notice of Intent (NOI) guide, and other air quality documents and forms may also be obtained on the Internet at the following web site: http://www.eq.state.ut.us/eqair/aq\_home.htm

The annual emission estimations below include point source, fugitive emissions, fugitive dust and do not include road dust, tail pipe emissions, grandfathered emissions etc. These emissions are for the purpose of determining the applicability of Prevention of Significant Deterioration, nonattainment area, maintenance area, and Title V source requirements of the R307. They are not to be used for determining compliance.

The Potential To Emit (PTE) emissions for the IPSC power generation plant are currently calculated at the following values:

Pollutant Tons/yr

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| A. | $PM_{10}$                 |
|----|---------------------------|
| B. | SO <sub>2</sub> 11,332.30 |
| C. | NO <sub>x</sub> 37,868.20 |
| D. | CO 1,989.6                |
| E. | VOC63.91                  |
| F. | HAPs 82.67                |
|    | Lead 0.39168              |
|    | Beryllium 0.00892         |
|    | Mercury 0.3135            |
|    | Fluorides (HF) 16.80      |
|    | Sulfuric Acid 8.80        |
|    | Other non-VOC HAPs 93.20  |

The Division of Air Quality is authorized to charge a fee for reimbursement of the actual costs incurred in the issuance of an AO. An invoice will follow upon issuance of the final Approval Order.

Sincerely,

Rusty Ruby, Manager New Source Review Section Public Notice Home
What is Public Notice?
Manual Search
Smart Search
About UPA
UPA Home



#### **Public Notice**

County: Millard

Printed In: Millard County Chronicle Progress

Printed On: 2001/11/22



#### **Public Notice:**

#### NOTICE

The following notice of intent to construct, submitted in accordance with Section R307-

401-1, Utah Air Quality Rules, has been received for consideration by the Executive Secretary,

Utah Air Quality Board:

Intermountain Power Service Corporation

Location: 850 W Brush Wellman Road, Delta, UT 84624-9546 Project Description: Intermountain Power Service Corporation (IPSC) operates the

Intermountain Generating Station (IGS) coal fired steam-electric plant, consisting of two 875

MW units, located near Delta in Millard County. IPSC is requesting a modification to their

current approval order (AO) DAQE-749-01 to uprate (increase) each unit generating capacity

from 875 to 950 MW. The following is the requested modification:

1. Replacement of two existing high pressure turbines with two current technology and

high efficiency turbines and addition of two helper cooling towers.

- 2. Substituting emission rate limit for the Group I dust collectors with an alternate limit.
- 3. Existing cooling tower emissions were added to the plant's potential to emit

Millard County is an attainment area of the National Ambient Air Quality Standards

(NAAQS) for all pollutants. New Source Performance Standards (NSPS), Subpart Da and

Subpart Y applies to this source. Boiler 1 & 2 are also Group 1, Phase II units under the Acid

http://www.publicnoticeads.com/ut/search/view.asp?T=PN&id=201\1262001 684... 12/13/2001

Rain Program. IPSC is a major source of NOx, SO2, CO, and PM10. Title V of the 1990 Clean  $\frac{1}{2}$ 

Air Act applies to this source.

This modification did not trigger Prevention of Significant Deterioration (PSD)

regulation; however, IPSC will monitor, maintain and submit to the Utah Division of Air

Quality on an annual basis for a period of 5 years post change emissions information to

demonstrate that this modification did not result in a significant emissions increase. If the

submitted information indicate that emissions have increased significantly as a consequence of

the proposed change, at that time IPSC will be required to obtain a PSD permit.

The Title V permit will be administratively amended after this AO has been issued.

It has been determined that the conditions of the Utah Administrative Code R307-401-6 and the

Federal rules have been met. The Executive Secretary intends to issue an Approval Order after a

30-day public comment period is held. This public comment period is being held to receive and

evaluate public input on the project proposed by IPSC.

The Proposed Emissions increase will be:

CO 98.50 tons/year

VOC (HAPs and non-HAPs) 1.34 tons/year

Non-VOC HAPs 7.00 tons/year

Other Regulated Pollutants 2.00 tons/year

The completed engineering evaluation and air quality impact analysis showed that no new

violations of National Ambient Air Quality Standards or Prevention of Significant Deterioration

Increments will occur. It is the intent of the Executive Secretary to approve the construction project.

The construction proposal and estimate of the effect on local air quality are available for

public inspection and comment at the Utah Division of Air Quality, Department of

Environmental Quality, 150 North 1950 West, Salt Lake City, Utah 84114-4820. There will be a

30-day comment period held. Written comments received by the Division, at the same address

on or before December 22, 2001, will be considered in making the final decision on the

approval/disapproval of the proposed construction.

If anyone so requests to the Executive Secretary at the Division in writing, within 15 days

of publication of the Notice, a hearing will be held to explain the project and technical rationale

for the proposed action. The hearing will be scheduled as close as practicable to the proposed

project location. Comments obtained during the hearing will be evaluated and considered by the

Executive Secretary before making a final decision on the approval/disapproval of the project.

Date of Notice: November 22, 2001

Published in the Millard County Chronicle Progress on November

http://www.publicnoticeads.com/ut/search/view.asp?T=PN&id=201\1262001 684... 12/13/2001

Public Notice ID: 684522.HTM



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